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Iron oxide nanoparticles as magnetic resonance contrast agent for tumor imaging via folate receptor-targeted delivery

H Choi, SR Choi, R Zhou, HF Kung... - Academic radiology, 2004 - Elsevier

... of subdermal needle electrodes placed in the front two paws, and the core temperature was monitored by a rectal **thermistor** and maintained ... Figure 2. Particle size distributions of NH 2 -conjugated **iron oxide** (NH 2 -IO, solid curve) before NHS-folate and FITC conjugation, and ...

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Metal oxide group thermistor material

HJ Jung, SO Yoon, KY Hong... - US Patent 5,246,628, 1993 - Google Patents

... at 25°C., and the B constant is calculated by: me electrical charactens- n(RK> C/(25- C.) if electrical characteristic i y means of two-terminal Composition and characteristic of manganese-nickel- zinc-cobalt-**iron**-titanium group metal **oxide thermistor** Composition and ...

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Preparation of bixbyite phase (MnxFe1-x) 2O3 for NTC thermistor applications

D Saha, A Das Sharma, A Sen... - Materials Letters, 2002 - Elsevier

... temperature and it is not possible to make ceramic Mn 2 O 3 -based **thermistor** by sintering ... It has been observed [10] that solid solution of a small amount of **iron** in Mn 2 O 3 ... 4H 2 O solutions were taken in a glass beaker in appropriate proportions to get the desired mixed **oxide**. ...

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Current Noise in Thermistor Bolometer Flakes

JJ Brophy - Journal of Applied Physics, 1954 - [ieeexplore.ieee.org](#)

... Noise in **Thermistor Bolometer** Flakes* James J. Brophy Armour Research Foundation of Illinois Institute of Technology, Chicago, Illinois (Received June 29, 1953) The characteristics of the additional electrical noise generated by **iron oxide thermistor bolometer** flakes due to ...

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Superparamagnetic iron oxide labeling and transplantation of adipose-derived stem cells in middle cerebral artery occlusion-injured mice

[HTML from arXiv.org](#)

HE Rice, EW Hsu, H Sheng... - American Journal ..., 2007 - Am Roentgen Ray Soc

... Body temperature was recorded with a rectal **thermistor** that was also used to control heat lamps that maintained core body ... clear differences in signal intensity between area without cells (A) and areas with increasing number of superparamagnetic **iron oxide** (SPIO)-labeled ...

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Thermistor composition

H Tosaki, H Anma, T Mizume, A Ikegami... - US Patent ..., 1982 - Google Patents
... 4. A **thermistor** material which comprises a spinel complex metal **oxide** of fired mixture of powder of manganese **oxide**, powder of ruthenium **oxide**, powder of cobalt **oxide** and powder of **iron oxide**, the spinel complex metal **oxide** containing manganese atom and cobalt atom on ...

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Iron oxide mineralogy of Terre Rosse and Rendzinas in relation to their moisture and temperature regimes

A Singer, U Schwertmann... - European journal of soil ..., 1998 - Wiley Online Library
... A 10 TRCT thermocouple reference **thermistor** was used for the thermocouples. ... The Fe **oxide** content of the clays was small, and so only the strongest peaks of ... **Iron**-containing compounds were identified and quantified from doublet or sextet patterns characterized by three ...

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Effects of Superparamagnetic Iron Oxide on Radiofrequency-induced Temperature Distribution: In Vitro Measurements in Polyacrylamide Phantoms and in Vivo ...

[HTML from rsna.org](#)

EM Merkle, SN Goldberg, DT Boileau... - Radiology, 1999 - radiology.rsna.org
... A custom MR-compatible 17-gauge monopolar **thermistor** was inserted between the skin of the rabbit and the right grounding pad to ... In the most common theory, high local ion concentration from **iron oxide** uptake is postulated to increase the extent of coagulation necrosis by ...

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Chemical processing and characterization of spinel-type thermistor powder in the Mn-Ni-Fe oxide system

Y Toni, A Suzuki, K Kato, Y Uwarino... - Journal of materials ..., 1996 - Springer
... powder, the high- temperature stability of cubic spinel phase, and the influence of annealing temperature on **thermistor** characteristics ... coprecipitated oxalate seems to behave as a single entity is proof that the nickel and **iron** ions coprecipitate ... In the usual mixed-**oxide** process ...

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THERMISTOR CONSTRUCTION

US Patent 3,477,055, 1969 - Google Patents
... The **thermistor** film consists of 40 to 80 weight percent of a metal **oxide** and preferably a mixture of two or more oxides taken from the group consisting of copper **oxide**, manganese **oxide**, **iron oxide**, chromium **oxide**, cobalt **oxide** and nickel **oxide** and 20 to 60 weight percent 60 ...

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